

**30DSERIES**

**turbofan<sup>®</sup>**

# **G32D4**

(Digital Operation)

**Installation and Operation Manual**

**turbofan**  
CONVECTION OVEN SYSTEMS



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## G32 Turbofan Convection Oven.

### Model Numbers Covered in this Manual

G32D4 - Turbofan Oven - 4 Tray Convection Oven.

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# Introduction

Before using your new oven, please read this instruction manual carefully, pay particular attention to any information labelled '**WARNING**', '**CAUTION**', '**IMPORTANT**' or '**NOTE**' in this manual.



## Warning

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.



## Caution

Indicates a hazardous situation which, if not avoided, will result in minor or moderate injury.

If you are unsure of any aspect of the installation, instructions or performance of your oven, contact your TURBOFAN dealer promptly. In many cases a phone call could answer your question.

Should you contact your TURBOFAN dealer on any matter concerning this oven, please have the information provided opposite, readily available.

For your safety, please pay attention to the following symbols marked on the appliance.

### - Risk of electric shock.



No user serviceable parts inside.

Qualified service person access only.

Disconnect from power before servicing.

This manual must be kept by the owner for future reference.

A record of the **Date of Purchase**, **Date of Installation** and **Serial Number of the oven** should be recorded in the area provided below.

**The serial number of this oven can be found on the Technical Data Plate located on the front right hand side panel, see diagram in 'Installation Section'.**

**Model Number:**

**Serial Number:**

**Dealer:**

**Service Provider:**

**Date Purchased:**

**Date Installed:**

## Safety Information



### Warning

- DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.
- DO NOT store or use gasoline or other flammable vapours, liquids or material in the vicinity of this or any



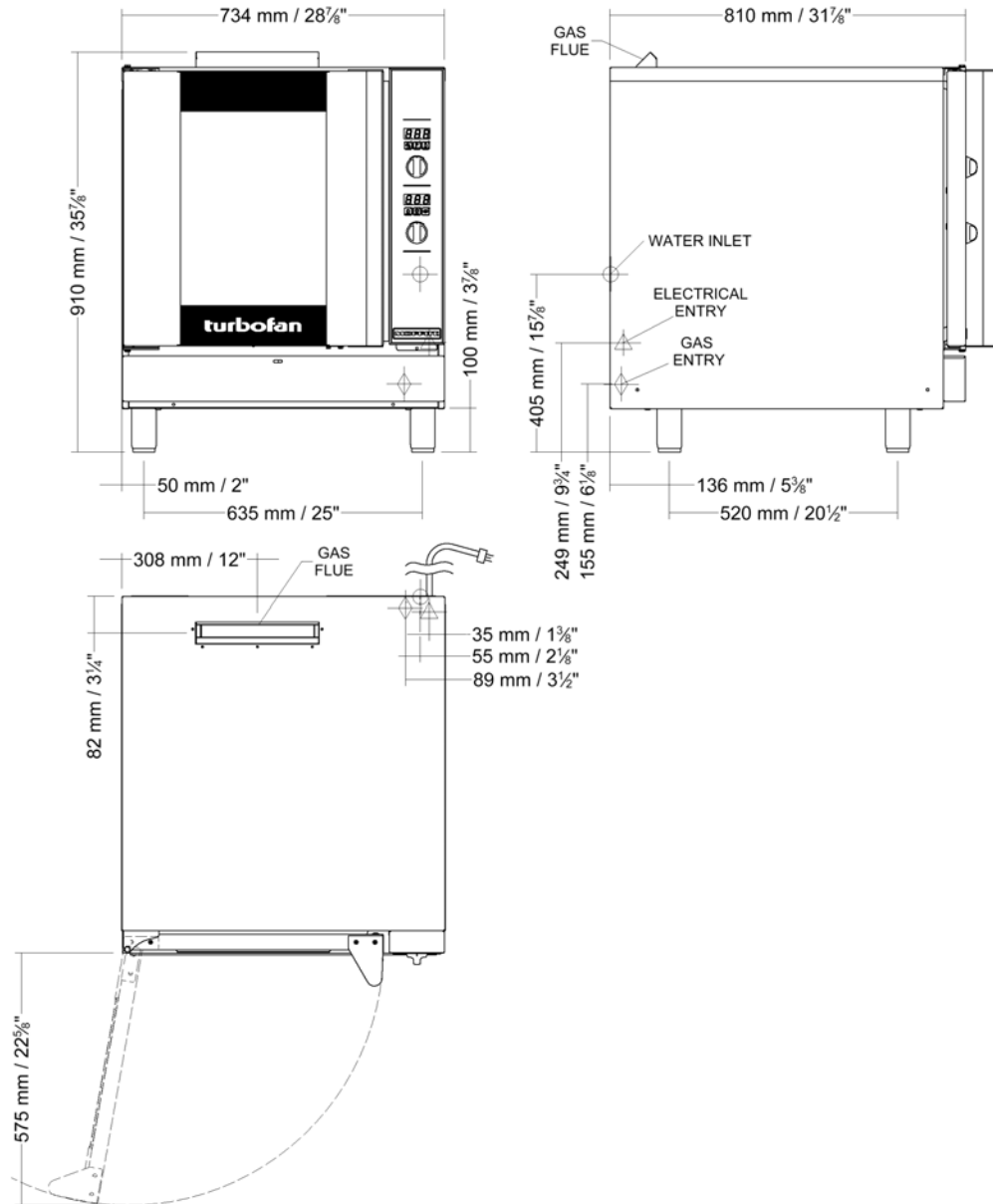
### Caution

This appliance is;

- For professional use and is to be used by qualified persons only.
- Only qualified service persons are to carry out installation, servicing and gas conversion operations.
- Components having adjustments protected (e.g. paint sealed) by the manufacturer should not be adjusted by the user / operator.

# Specifications

## G32D4



## Oven Gas Supply Requirements and Specifications

### - Australia / New Zealand Only:

		Natural Gas	LP Gas (Propane)
Input Rating		35 MJ/hr.	35 MJ/hr.
Supply Pressure		1.13 - 3.4 kPa.	2.75 - 5.0 kPa.
Operating Pressure		0.75 kPa.	2.35 kPa.
Gas Connection		½" BSP Male.	
Electrical Power Ratings		220-240V, 1P+N+E, 50/60HZ, 200W.	
Oven Tray Details	Tray Capacity	4 x US Full Pan / EN 600 x 400.	
	Tray Spacing	110 mm.	
Water Connection		¾" BSP (80 psi / 550 kPa maximum pressure).	

# Specifications

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## - UK Only:

Appliance Classification

Category: II<sub>2H3P</sub>.  
Flue Type: A<sub>1</sub>.

		Natural Gas	Propane
Input Rating		10 kW	10 kW
Supply Pressure		20 mbar	30 - 37 mbar
Operating Pressure		10 mbar	25 mbar
Gas Connection		½" BSP Male.	
Electrical Power Ratings		220-240V, 1P+N+E, 50/60HZ, 200W.	
Oven Tray Details	Tray Capacity	4, 18" x 26" / 460 x 660 Full Size Sheet Pan Capacity. 4, 600 x 400 Tray Capacity.	
	Tray Spacing	110 mm.	
Water Connection		¾" BSP (80 psi / 550 kPa maximum pressure).	

# Installation

## Installation Requirements

### Important:

- Installation shall comply with local gas, electrical and health and safety requirements.
- It is most important that this oven is installed correctly and that oven operation is correct before use.
- If you have any questions regarding the proper installation and / or operation of this oven, please contact your local Turbofan distributor.

This installation of this appliance must conform with local codes, or in the absence of local codes, must conform to the National Codes shown below covering gas and electrical safety.

<b>Australia:</b>	- AS5601	- Gas Installations.
<b>New Zealand:</b>	- NZS5261	- Gas Installation.
<b>Australia / New Zealand:</b>	- AS/NZS3000	- Wiring Rules.
<b>United Kingdom:</b>	- Gas Safety (Installation & Use) Regulations 1998.	- Installation of Catering Appliances.
	- BS6173	- Installation Flueing & Ventilation.
	- BS5440 1 & 2	- Requirements for Electrical Installations.
	- BS7671	- Non - Domestic Gas Installations.
<b>Ireland:</b>	- IS 820	

## Installation

Installations must be carried out by authorised persons only. Failure to install equipment to the relevant codes and manufacturers specifications shown above, will void the warranty.

This oven must be electrically earthed / grounded in accordance with local codes.

Installation must allow for a sufficient flow of fresh air for the combustion air supply. Combustion air requirements:

<b>Natural Gas</b>	<b>10m<sup>3</sup>/hr.</b>
<b>LPG</b>	<b>9m<sup>3</sup>/hr.</b>

Components having adjustments protected (e.g. paint sealed) by manufacturer are only to be adjusted by an authorised service agent. They are not to be adjusted by the installation person.

## Unpacking

1. Remove all packaging and transit protection including all protective plastic coating from the exterior stainless steel panels.
2. Check the oven and supplied parts for damage. Report any damage immediately to the carrier and distributor.
3. Check that the following parts have been supplied with your oven:-  
4 x Leg Adjustable.
4. Report any deficiencies to the distributor who supplied your oven.
5. Securely fit the 4 legs supplied with the oven.
6. Check that the available gas and electrical supply is correct to that shown on the Technical Data Plate located on the front right hand side panel.

- Refer to 'Specifications' section, 'Oven Specifications Tables'.



-----Technical Data Plate - Location

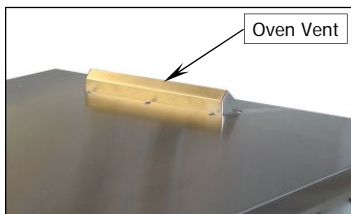
# Installation

## Location

1. This oven must be installed in an area of adequate air supply. Adequate ventilation is essential, to prevent dangerous build up of combustion products. DO NOT obstruct the air flow around the ventilation slots.
2. This oven must be fitted on supplied legs in all installations. (When installed on a manufacturers stand, the legs are used to locate the oven in the correct position.
3. All air for burner combustion is supplied from underneath the appliance. The legs must always be fitted and no obstructions placed on the underside or around the base of the appliance, as obstructions will cause incorrect operation and / or failure of the appliance.
4. Installation must allow for a sufficient flow of fresh air for the combustion air supply.
5. The area around the appliance must be kept free and clear from combustibles.
6. Position the oven in its approximate working position. It should be positioned so that the control panel and oven shelves are easily reachable for loading and unloading.
7. Use a spirit level to ensure oven is level from side to side and front to back. (If this is not carried out, uneven cooking may occur).

### **Important:**

**The vent located on the top of the oven must NOT be obstructed.**



## Clearances

1. To ensure correct ventilation for the motor and controller, the following minimum installation clearances are to be adhered to:

	Combustible Surface	Non Combustible Surface
Top	600 mm	200 mm
Left / Right Hand Side	75 mm	75 mm
Rear	75 mm	75 mm

**NOTE: Fixed installations require at least 500 mm clearance at the right hand side of oven for service access.**

## Stand Mounted Ovens

For ovens that are to be mounted to a stand, the oven legs are used to level the oven on the stand. Refer to the instructions supplied with separately ordered stands for mounting details.

## Electrical Connection



### **Warning**

**This oven must be earthed / grounded.**

Each oven should be connected to an adequately protected power supply and an isolation switch mounted adjacent to, but not behind the oven and must be readily accessible to the operator. This switch must be clearly marked and readily accessible in case of fire.

Check the electricity supply is correct to as shown on the Technical Data Plate on the front right hand corner of the oven side panel.

Ensure that the oven is fitted with the appropriate power cord and plug.

## Gas Connection

A ½" BSP connection is provided at the bottom rear of the oven.

It is important that adequately sized piping run directly to the connection joint on the oven with as few tees and elbows as possible to give maximum supply volume.

A suitable jointing compound which resists the break down action of LPG must be used on every gas connection.

Check all gas connections for leakages using soapy water or other gas detecting equipment.

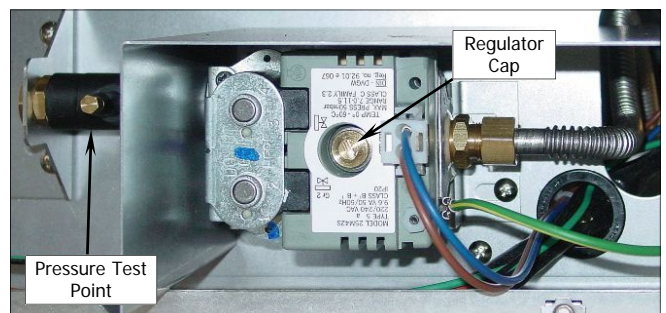


### **Warning**

**Do not use a naked flame to check for gas leakages.**

Check the technical data plate located on the front right hand corner of the oven, for correct operating pressure and gas orifice size for the gas being used, before operation.

The appliance combination gas valve is fitted with an internal regulator for adjusting the operating pressure. To access, remove appropriately marked service panel from beneath the oven door. Unscrew and remove regulator cap from the gas valve. Adjust the regulator to achieve the stated pressure. Also refer to the 'Specifications' section.



**NOTE: The Pressure Test Point is located behind the front service panel beneath the oven door.**

# Installation

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## Water Connection - Optional

(Not required for Main Oven Operation)

1. If the manual addition of water into the oven for humidification or steaming effect on baked product is required, the unit's water connection can be used.
2. Tighten the 2 screws securing the water connection to the rear of the oven. (These have purposely been left loose to prevent damage to the water connection during transit).



3. A cold water supply should be fitted to the water inlet ( $\frac{3}{4}$ " BSP hose connection) which is located on the rear of the right hand side of the oven.
4. Connect to the water supply.

**- Max Inlet Pressure 80psi / 550kPa.**

5. Turn 'On' the water supply and check for leaks.

## Positioning and Levelling of Oven

1. Correctly locate the oven into its final operating position and using a spirit level, adjust the oven feet so that the oven is level and at the correct height.

## Initial Start-Up

Before using the new oven;

1. For first time use of the oven, operate the oven for about 1 hour at 200°C to remove any fumes or odours which may be present.
2. Please refer to the Operation Section of this manual for details on how to correctly operate and shutdown the oven.

## Commissioning

Before leaving the new installation;

Check the oven functions in accordance with the operating instructions specified in the 'Operation' section of this manual.

- Lighting the oven.
- Turning 'Off' the oven.

Ensure that the operator has been instructed in the areas of correct lighting, operation, and shutdown procedure for the appliance.

**NOTE: If for some reason it is not possible to get the appliance to operate correctly, shut off the gas supply and contact the supplier of this appliance.**

# Operation

## Operation Guide



### Warning

Some parts of this oven will become **VERY HOT** during use and could cause burns if touched.

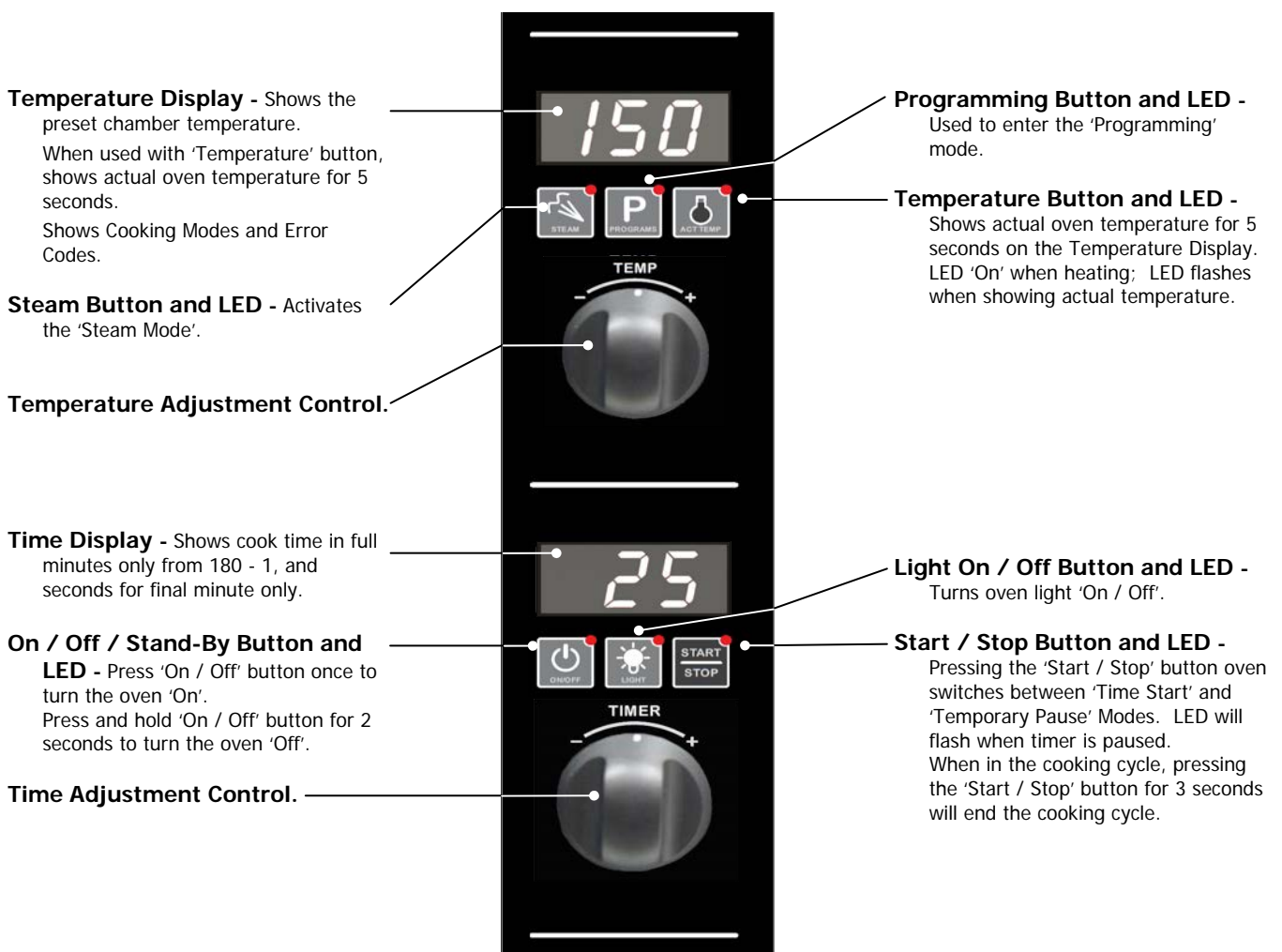


### Warning

Take care when opening the oven door during baking. Let hot air and steam escape before removing or replacing food as the steam produced can cause steam burns.

- Turbofan Ovens have been designed to provide simple operation.
- This oven is intended for use in a commercial kitchen and must only be put to the use for which it was intended, i.e. cooking food product. To use this oven correctly please read the following sections carefully:-

## Oven Control Panel



## Lighting the Oven

1. Ensure that the gas supply is turned 'On' at the mains supply.
2. Turn 'On' electrical power to the oven. The controller will carry out a self check of the LED's.
3. Press the 'On/Off' Button.
4. The Heating Indicator will illuminate and after a slight delay the oven burner will ignite.

## Oven Shut-Down

1. To turn 'Off' the oven, press and hold the 'On/Off' button for 3 seconds, the burner will extinguish and the oven controller will go to 'Stand-By' mode.

# Operation

## Using the Oven - Manual Mode

### 1. TURN 'ON'.

Press 'On-Off' button.



Temperature Display.

Temperature Display will show Preset temperature.

### 2. SET TEMPERATURE.

- + to increase the temperature.
- to decrease the temperature.

Time Display.

Time Display will show actual time set.

### 3. SET TIME.

- + to increase the time.
- to decrease the time.

### 4. START TIMER.

- Press 'Start / Stop' button to start timer operation.
- Pressing the 'Start / Stop' button when timer is operating will pause the timer and turn 'Off' Fan and Heating. LED will flash when timer is paused.
- Pressing and Holding 'Start / Stop' button for 3 seconds will reset the timer.

- Press any button, to cancel the 'Alarm'.

- Press 'Steam' button, to select the Steam mode.

- Press 'Act Temp' button, to check 'Actual' temperature of oven at any time during cooking.

- Press 'Light' button, to turn 'On' oven light. (refer - 'Operator Accessible Parameters').

- Press 'Program' button, to program the Oven refer to the 'Installation and Operation Manual'.

- Press and hold 'On / Off' button, for 3 seconds to turn 'Off' the Oven.

To check actual oven temperature during preheat or cooking, press 'Temperature' button. Actual temperature will display briefly on 'Temperature Display' before the display reverts to the pre-set temperature.

Heating 'On' Indicator

At any time during cooking, time and temperature can be adjusted by using the 'Time' / 'Temperature' controls.

Power 'On' Indicator

Timer 'On' Indicator

This oven can be used without using the 'Timer'.

If the 'Timer' is set to the 'Infinity' setting **Inf**, the timer will count elapsed time to a maximum of 999 minutes.

Opening the oven door during a cooking cycle will pause the cooking time. To continue cooking, close the oven door.



**Steam;** - Steam function can be selected at any time during the Manual Mode by pressing the 'Steam' button. Steam will be injected for the pre-set time and the 'Steam' LED will illuminate.

Refer to 'Operator Accessible Parameters' for steam options.

## Cooking in Program Mode

### 1. TURN 'ON'.

Press 'On-Off' button.



Press 'Programs' button.



**Temperature Display.**

Temperature Display will show program selected.

### 2. SELECT A PROGRAM.

- + to scroll forward through programs.
- to scroll backward through programs.

**Time Display.**

Time Display will show 'Pre-Heating'.  
Program cannot be started until pre-heating is completed.

**Load Oven.**

'Time' display will show 'Ready'.



### 3. START PROGRAM.

- Press 'Start / Stop' button to start cooking program.
- Pressing the 'Start / Stop' button when timer is operating will pause the timer and turn 'Off' Fan and Heating. LED will flash when timer is paused.
- Pressing and Holding 'Start / Stop' button for 3 seconds will cancel the program and return to Preset Program.

- Press any button, to cancel the 'Alarm'.

- Press 'Steam' button, to select the Steam mode.

- Press 'Act Temp' button, to check 'Actual' temperature of oven at any time during cooking.

- Press 'Program' button, to program the Oven refer to 'Setting the Oven Programs' overleaf.

- Press and hold 'On / Off' button, for 3 seconds to turn 'Off' the Oven.



Program Mode Indicator

Heating 'On' Indicator

To check actual oven temperature during preheat or cooking, press 'Temperature' button. Pre-Set temperature will display briefly on 'Temperature Display' before the display reverts to the actual temperature.

When cooking in 'Program' mode, the oven light will remain 'On' until cooking is completed.

Opening the oven door during a cooking cycle will pause the cooking time. To continue cooking, close the oven door.

Temperature and Time can be adjusted when in Program Mode. On program completion, oven reverts to the pre-set temperature for that program.



**Steam;** - Steam function can be selected at any time during the Program Mode by pressing the 'Steam' button. Steam will be injected for the pre-set time and the 'Steam' LED will illuminate.

Refer to 'Operator Accessible Parameters' for steam options.

## Setting the Oven Programs

Oven can be pre-programmed with up to 20 Program's. When you receive your oven, the controller is not programmed. To set programs, carry out the following for each program required:-

### 1. ENTER PROGRAMMING MODE.

Press '**Programs**' button to enter 'Programming' mode.



### 2. SELECT PROGRAM REQUIRED.

Rotate '**Temperature Control**' to program required.

**Temperature Display** will show program selected.

Press and hold '**Temperature**' button until '**Time**' and '**Temperature**' displays and '**Temperature**' LED flashes.



Change time and temperature parameters.

### 3. ENTER COOK TEMPERATURE.

Rotate '**Temperature Control**' to set cook temperature.

- + to increase the temperature.
- to decrease the temperature.

'**Temperature**' Display will show temperature selected.



### 4. ENTER COOK TIME.

Rotate '**Timer Control**' to set cook time.

- + to increase the time.
- to decrease the time.

'**Time**' Display will show time selected.



'**Time**' and '**Temperature**' displays and '**Temperature**' LED flash.



Press '**Temperature**' button to confirm '**Time**' and '**Temperature**' settings.

### 5. SET STEAM OPTION.

Hold '**Steam**' button pressed until '**Steam**' LED flashes and present setting displays in '**Temperature**' display.



Rotate '**Temperature Control**' to set steam time required.

- + to increase steam time.
- to decrease steam time.

Press '**Steam**' button to confirm '**Steam**' settings.

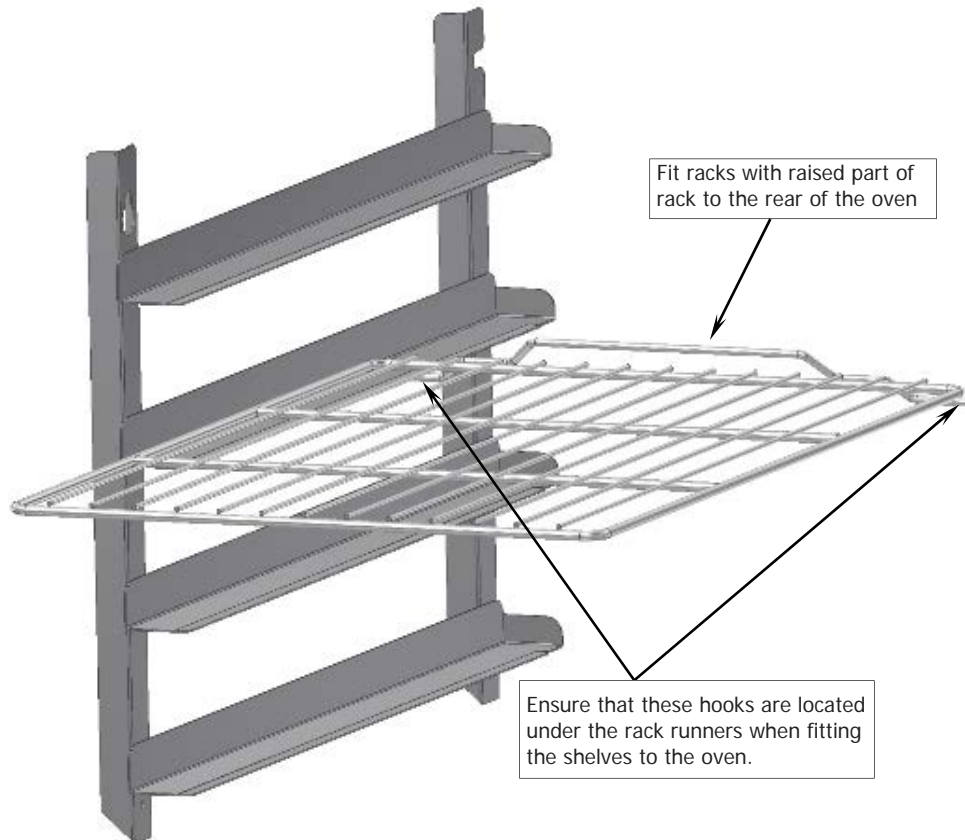


## Oven Racks

The oven is supplied with four general purpose oven racks.

- **Self Supporting:** When fitted, the oven racks are self supporting and will not drop or angle down when the racks are withdrawn during operation, when loading and unloading products onto racks or when attending to the product being cooked during its cook cycle.

**NOTE:** Ensure that the racks are correctly fitted to the oven with the raised part of the rack to the rear of the oven and the hooks on the underside of the rack engaged below the rack runner.



# Operator Accessible Parameters

## Setting the Operator Accessible Parameters

With the Oven in 'Stand-By' mode:-

### 1. ENTER THE OPERATOR PARAMETER MODE.

Press 'Steam' and 'Start / Stop' buttons together.

'Temperature' Display will show 'PAS'.

The 'Time' Display will flash.



### 2. SET PASSWORD.

Rotate 'Timer Control' to set password;  
(123) (Operator Password).

Press 'Light On / Off' button to confirm password.

'Temperature' Display will show one of Parameter Codes.

'Time' Display will show value of the parameter.



### 3. SETTING THE PARAMETERS.

Rotate 'Timer Control' to parameter required.

Press 'Light' button to confirm parameter. 'Time' display will flash.

While 'Time' display is flashing, rotate 'Timer Control' to select value required.

Press 'Light' button to confirm value. 'Time' display will stop flashing.








### 4. EXITING THE PARAMETER MODE.

Press 'On-Off' button, to return to 'Stand-By' mode.



Table of Operator Accessible Parameters

Parameter Number	Description	Default Setting
	Turn -On Pre-Heating temperature - (60 - 260°C / 140 - 500°F).	150°C (325°F)
	Light Auto 'Off' Setting Time - 0 = 'On/Off'. 1 = 1 minute auto 'Off'. 2 = 2 minutes auto 'Off', etc.	1
	Steam Injection setting time - 0 = Steam will be emitted for as long as 'Steam' button is pressed. 1 = Steam will be emitted for 1 second. 2 = Steam will be emitted for 2 seconds, etc.	0
	Buzzer Volume - Can be adjusted from '0' to '10'.	5
	Program Pre-Heating Condition - (Can be adjusted from 0 to 30°C {0 to 54°F} above pre-heat temperature).	20°C (36°F)

# Cleaning and Maintenance

## Cleaning Guidelines



### Caution

Always turn off electrical power at the mains supply before commencing cleaning.

This oven is not water proof. Do not use water jet spray to clean interior or exterior of the appliance.

To achieve the best results, cleaning must be regular and thorough. If any small faults occur, have them looked at promptly. Don't wait until they cause a complete breakdown.

### NOTE:

- Carefully read and follow the safety instructions on the label of the cleaning product to be used.
- DO NOT use harsh abrasive scouring pads or abrasive detergents as they could damage the oven.
- Ensure that any detergent or cleaning material has been completely removed after each cleaning.

To keep your oven clean and operating at peak efficiency, follow the procedures shown below:-

## Oven Cleaning

### NOTE:

- If oven usage is very high, the cleaning procedure should be carried out on a more frequent basis.
- Allow the oven interior to cool to approx 50°C before commencing cleaning.

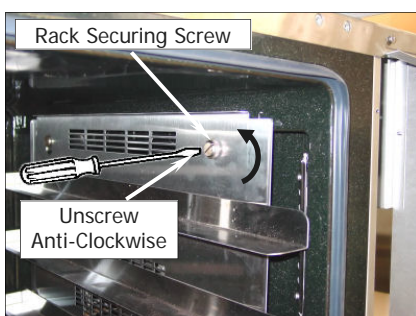
### Stainless Steel Surfaces

- a. Thoroughly clean the exterior surfaces of the oven with, a damp cloth moistened with a mild detergent solution, or a soft bristled brush.
- b. Baked on deposits or discolouration may require a good quality stainless steel cleaner. Always apply cleaner when the oven is cold and rub in the direction of the grain.

### Side Racks Removal

#### Right Rack / Fan Baffle

- a. Undo and remove the rack securing screw securing the front of the RH side rack. The fan baffle is an integral part of the RH Side Rack.



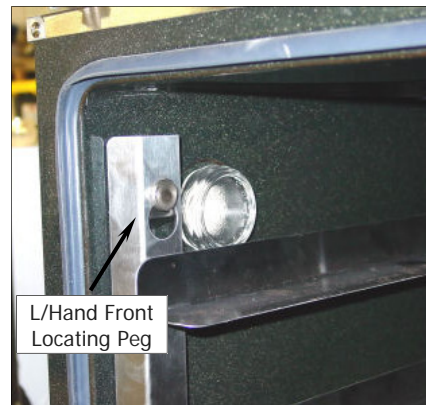
- b. Lift up and unhook the rear of the rack from the locating peg at the rear of the oven.



- c. Tilt the top of the rack inwards and lift the rack off the lower mounting brackets.

#### Left Rack

- a. Lift the LH rack off the front locating peg.



- b. Pull the rack forward out of the oven to disengage the rear of the rack from the rear location peg and remove the rack from the oven.



- c. Clean the racks with a mild anti bacterial detergent and hot water, using a soft bristled brush.
- d. Dry the racks thoroughly with a dry cloth.

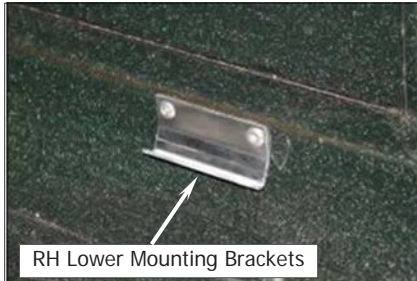
# Cleaning and Maintenance

## Side Racks Re-Fitting

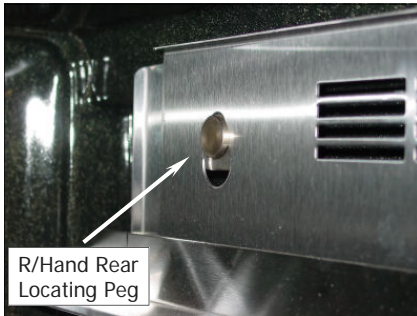
**NOTE:** Ensure racks are correctly fitted to oven with the raised part of rack to the rear of the oven.

### Right Rack

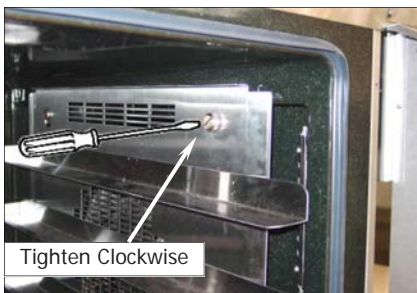
- a. Align the bottom of the rack with the 2 brackets in the bottom RH side of the oven.



- b. Tilt the rack upwards and hook the top rear of the rack onto the locating peg in the top rear of the oven.



- c. Fit and tighten the rack securing screw to secure the front of the RH rack.



### Left Rack

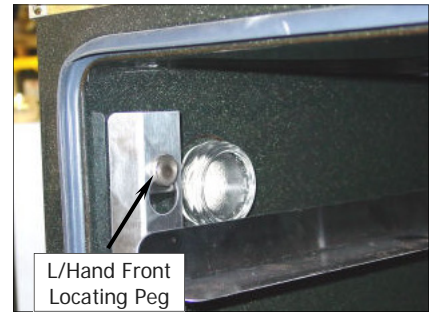
- a. Locate the top rear of the rack onto the locating peg at the top rear LH side of the oven.



- b. Locate the top front of the rack over the locating peg at the top front LH side of the oven.

## Lamp Glass

- a. Remove the LH side rack as shown previously.



- b. Unscrew (anti-clockwise) and remove the lamp glass from the oven.



- c. Remove seal fitted between lamp glass and holder.



- d. Wash the lamp glass and seal with a soft sponge using warm water and a detergent solution. Rinse with clean, warm water and dry off.  
e. Dry the lamp glass thoroughly with a dry cloth.

**NOTE:** The lamp glass seal must be fitted with the flat face of the seal towards the lamp glass.

- f. Refit the lamp glass, screw the glass in clockwise to secure. **Do not over tighten lamp glass.**  
g. Refit the LH side rack as shown previously.

# Cleaning and Maintenance

## Door Seal

- a. To remove the door seal, pull the 1 piece seal forward until it pulls out of the location groove around the oven. **Note the way the seal is fitted to the oven, with the lip facing inwards.**



- b. Check the door seal for wear and damage and replace as required.
- c. Wash the door seal in a sink, taking care not to cut or damage the seal.
- d. Dry the door seal thoroughly.
- e. Refit the door seal with lip facing into centre of the oven.



- f. Press the door seal into the locating groove in the front face of the oven until the seal is properly located all around the oven.

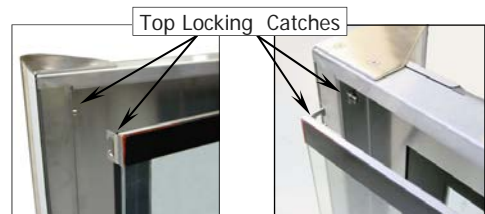
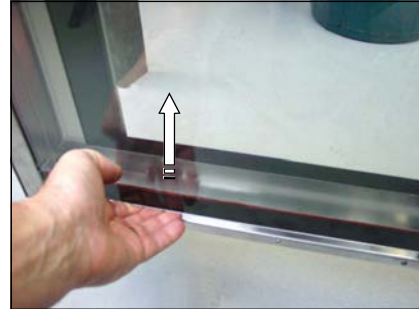
## Oven Interior

- **Allow the oven interior to cool to approx 50°C before commencing cleaning.**
  - a. Remove the oven racks as shown previously.
  - b. Clean any build up of grease from the oven interior, using a soft bristled brush with a solution of hot water and a mild anti bacterial detergent.
  - c. Dry the oven thoroughly with a soft dry cloth.
  - d. Clean the oven regularly with a good quality oven cleaner.

## Door Glass Cleaning

- **Ensure that the oven door is cool before cleaning the oven door glass.**

- a. Open the oven door.
- b. Lift up the bottom of the inner glass at the centre of the door to unlock from the inner glass retaining catches and swing the glass inwards towards the oven.



- c. Clean both sides of the inner glass and the inner side of the outer door glass with a conventional glass cleaner.
- d. Dry the oven door thoroughly with a soft dry cloth.
- e. Swing the inner glass back towards the outer door.
- f. Whilst holding the outer door, lift the inner glass back onto the locking catches until the inner glass is securely held.

## Periodic Maintenance

**NOTE: All maintenance operations should only be carried out by a qualified service person.**

Controls and mechanical parts should be checked and adjusted periodically by a qualified service person. It is recommended that the appliance is serviced every 6 months.

# Fault Finding

This section provides a reference to the more common problems that may occur during the operation of your oven. This fault finding guide is intended to help you correct and accurately diagnose problems with your oven.

When fault finding a problem, always use a process of elimination starting with the simplest solution and working through to the most complex. Never overlook the obvious.

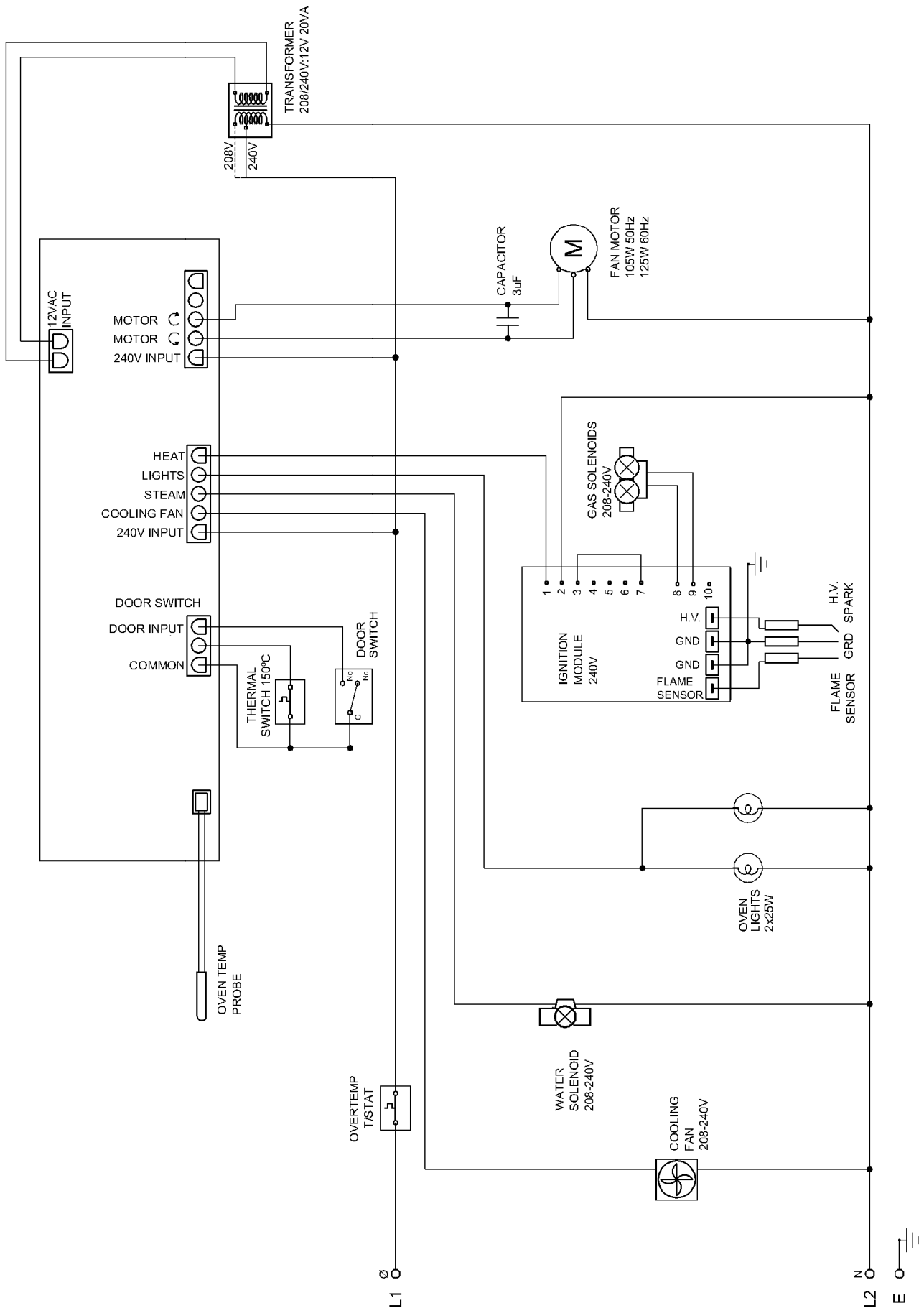
You may encounter a problem not covered in this section, please contact your service provider who will require the following information:-

- **The Model and Serial Number of the oven, can be found on the Technical Data Plate located on the front right hand side panel of the oven.**

Fault	Possible Causes	Remedy
<b>Oven does not operate.</b>	Mains isolating switch, circuit breaker or fuses are 'Off' at the power board.	Turn 'On'.
	Overtemp tripped (No lights, no power light).	Call for service.
	Overtemp faulty.	Call for service.
	Digital Controller faulty	Call for service.
<b>Oven Controller operates but No Heat in Oven.</b>	No gas supply to oven.	Check gas supply.
	Digital Controller faulty	Refer to 'Digital Controller Fault Codes'. Call for service.
	Door not closed fully.	Close door. (Refer 'Door does not close fully').
	Door Switch faulty.	Call for service.
<b>Oven heats up but fan does not operate.</b>	Fan motor faulty.	Call for service.
	Fan or fan motor obstructed.	Call for service.
<b>Oven does not Steam.</b>	Injector Nozzle blocked.	Call for service.
	Water Solenoid faulty.	Call for service.
	Controller faulty.	Call for service.
<b>Door does not close fully.</b>	Tray in way of door.	Correctly position tray in rack.
	Door mis-aligned.	Re-align door.
	Door seal obstruction.	Correctly install door seal. (Refer to the 'Cleaning' Section).
<b>Oven light not illuminating.</b>	Blown bulb.	Replace bulb.
<b>Uneven cooking.</b>	Too high a temperature selected.	Select a lower temperature.
	Oven or racks not level.	Check oven racks and level.
	Insufficient air space around trays or baking tins.	Ensure oven racks are spaced to allow air flow around baking on all shelves.
	Oven overloaded with too much product.	Re-load oven.
	Opening oven door un-necessarily.	Ensure oven door remains closed during the baking process.
	Oven door seal damaged or faulty.	Check seals and replace if damaged.
	Oven vent restricted.	Ensure oven vent not blocked or shrouded.
<b>'Err 001' on display.</b>	Probe error.	Call for service.
<b>'Err 003' on display.</b>	Burner Box thermal overload switch tripped.	Call for service.

# Electrical Schematic

## Electrical Schematic G32D4 Turbofan Oven



# Gas Conversion and Specifications

## Conversion Procedure



### Caution

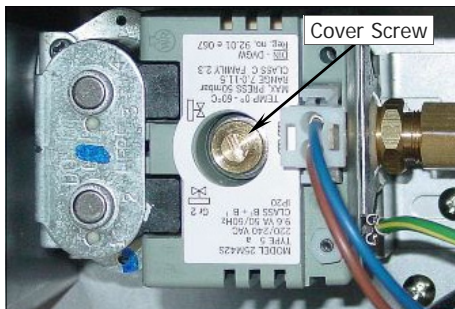
Ensure that the appliance is isolated from the electrical and gas supply before commencing servicing.

### NOTE:

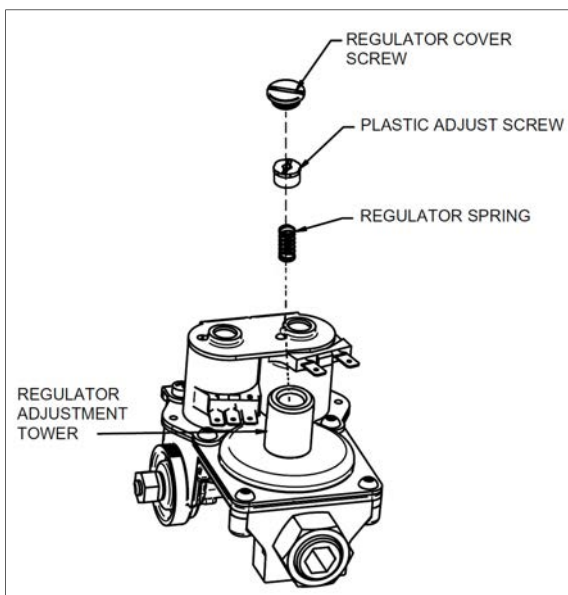
- These conversions should only be carried out by qualified persons. All connections must be checked for leaks before re-commissioning the appliance.
- Adjustment of components that have adjustments / settings sealed (e.g. paint sealed) can only be adjusted in accordance with the following instructions and shall be re-sealed before re-commissioning this appliance.
- For all relevant gas specifications refer to the table at the end of this section.

### Procedure:

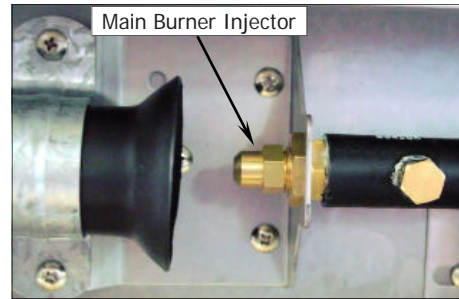
1. Remove the lower service panel to allow access to the gas control valve.
2. Unscrew and remove the regulator cover screw from the regulator incorporated in the gas control.



3. Remove the plastic adjusting screw and regulator spring from the gas control valve. Replace with correct spring supplied with the conversion kit.



4. Unscrew and remove the main burner injector and replace with appropriate item.



5. Connect gas and electrical supplies.
6. Operate oven and adjust the plastic adjust screw on the regulator to achieve correct pressure at pressure test point (front RH corner).
7. Refit the regulator cover screw to the gas valve.
8. Conduct full leak test of the converted oven prior to placing it into operation.



### Warning

Do not use a naked flame to check for gas leakages.

9. Refit the service panels.

## Gas Type Identification Label

On completion of the gas conversion, replace the gas type identification label with the appropriate label, located at:-

- The rear of the appliance, above the gas connection point.

## Commissioning

Before leaving the converted installation;

1. Check all gas connections for leakages using soapy water or other gas detecting equipment.
2. Check the following functions in accordance with the operating instructions specified in the 'Operation' section of this manual.
  - Ensure that all the oven controls operate correctly.
  - Ensure that the operating pressure remains correct.
3. Ensure any adjustments done to components that have the adjustments / settings sealed (e.g. paint sealed), are re-sealed.

**NOTE:** If for some reason it is not possible to get the appliance to operate correctly, shut off the gas supply and contact the supplier of this appliance.

# *Gas Conversion and Specifications*

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## Table of Gas Specifications

### - Australia / New Zealand Only:

	Natural Gas	LP Gas (Propane)
Main Burner Injectors	2.80 mm.	1.70 mm.
Regulator Spring (Colour)	Green Spring	Blue Spring
Supply Pressure	1.13 - 3.4 kPa.	2.75 - 5.0 kPa.
Operating Pressure	0.75 kPa	2.35 kPa

### - UK Only:

	Natural Gas	Propane
Main Burner Injectors	2.70 mm.	1.70 mm.
Regulator Spring (Colour)	Green Spring	Blue Spring
Supply Pressure	20 mbar	30 - 37 mbar
Operating Pressure	10 mbar	25 mbar

# Replacement Parts List

## **Important:**

Only genuine authorized replacement parts should be used for the servicing and repair of this oven. The instructions supplied with the parts should be followed when replacing components.  
For further information and servicing instructions, contact your nearest authorized service provider or Turbofan Dealer.

When ordering replacement parts, please quote the part number and the description as listed below. If the part required is not listed below, request the part by description and quote model number and serial number which is shown on the Technical Data Plate.

Item	Description
234632	Digital Control Board Kit
234434	Temperature Probe 20 mm PT1000 1 mtr
234450	Encoder
022909	Ignition Electrode Assembly
024432	Capacitor 3uF, 220-240V Models
025400	Overtemp 360°C
232904	Fan Motor 208-240V 50HZ
234460	Cooling Fan 208-230V 50/60HZ
232903	Fan Dia 175mm / 7"
234429	Transformer 208/240V x 12VAC SEC 15VA
230691	Ignition Module
019370	Gas Valve G32 240V
232964	Thermal Switch 150°C
004952	Burner Assy
032170	Injector 1.70 mm LPG (Propane)
032270	Injector 2.70 mm NAT (UK Only)
032280	Injector 2.80 mm NAT (Non-UK Only)
235433	Gas Type Conversion Kit AU/NZ/XP Only
235434	Gas Type Conversion Kit UK Only
234447	Knob Indexed
234751	Door Switch Actuator
024802	Door Microswitch
232666	Door Seal
234580	Door Roller Catch
235277	Door Roller Catch Strike
235278	Strike Lock Nut
234626	Door Hinge Top
234627	Door Hinge Bottom
234757	Door Inner Glass Assembly
234752	Hinge Pivot Kit
231814	Lamp Bulb G9 25W, Halogen 230V
233115	Oven Lamp Lens
233883	Oven Lamp Seal
202851	Water Solenoid 90° Outlet 240V
233986	Foot Adjustable 100 mm
233649	Oven Rack
234656	Oven Side Rack LH 4-tray
234666	Oven Side Rack RH 4-tray
233552	Rack Securing Screw

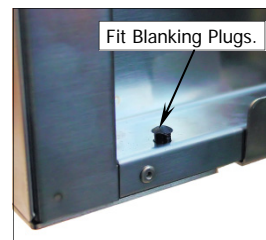
# Appendix 1 - Oven Door Reversal

## Reversing the Oven Door

**NOTE:** This operation should only be carried out by a suitably competent person.

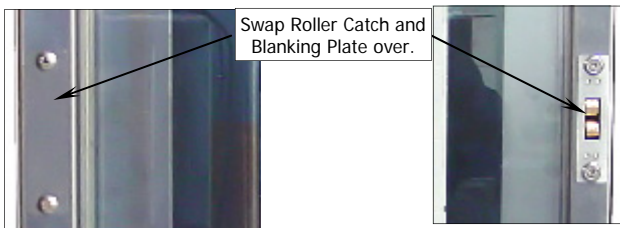
### Remove the Oven Door Inner Glass.

1. Open the oven door and open the door inner glass.
2. Remove screw securing inner glass retaining clip and remove clip.
3. Lift up inner glass and remove, ensuring that pivot spacer is removed from lower inner glass pivot and retained.
4. Remove black plastic plugs from top and bottom of door and fit to holes where inner glass pivots were removed from.

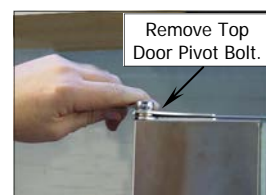


### Remove the Oven Door.

5. Remove the door roller catch and blanking plate from the inside of the door and swap these over.



6. Whilst supporting door, unscrew and remove top door pivot bolt from top door hinge assembly.
7. Remove door and lay on a flat surface or workbench.
8. Unscrew screws securing the door handle remove door handle.
9. Remove top door hinge and fit to bottom opposite corner of door.



10. Remove bottom door hinge and fit to top opposite corner of door.



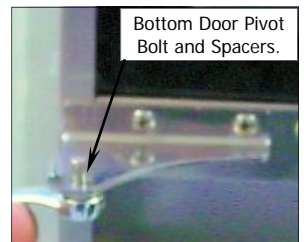
11. Remove inner glass latching studs and fit to opposite side of door using Loctite 243 to secure.



12. Turn door handle over and fit to other end of door where hinges were removed from. Ensure Flat of handle is to the outside.

### Remove Upper and Lower Door Hinges and Door Catch.

13. Remove bottom door pivot bolt and spacers and fit pivot bolt to top door hinge assembly (as this will be swapped over and fitted to bottom of other side of oven).



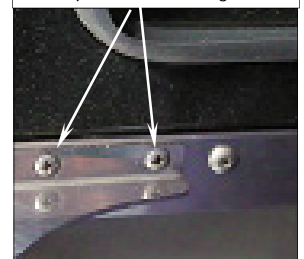
14. Remove the 4 blanking screws from front of oven.



15. Remove Hinge Plate from top of oven and fit diagonally opposite, to lower corner.

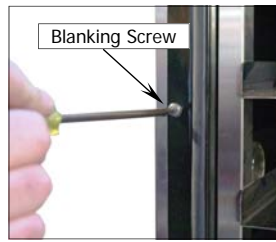
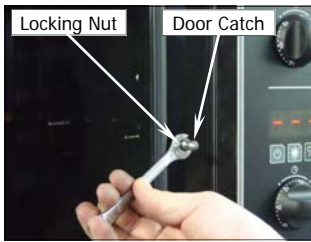


16. Remove Hinge Plate from bottom of oven and fit diagonally opposite, to upper corner.
17. Fit screws removed at Item 14 above to where hinges were fitted.



# Appendix 1 - Oven Door Reversal

18. Remove Blanking Screw and Door Catch from front of



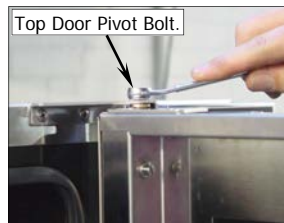
oven and swap around (refer 'Adjusting Door Catch').

19. Fit door spacers removed at Item 13 previously, to lower hinge pivot bolt.

## Oven Door Re-Fitting

### Fit the Door.

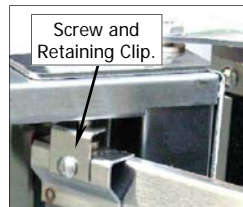
1. Refit oven door by locating bottom of door onto bottom hinge plate pivot bolt and spacers.
2. Fit top of door into top hinge plate and secure with top pivot bolt.



### Fit Inner Glass to Door.

**NOTE:** It is important to ensure that the inner glass is fitted correctly and that the glass pivots at the hinge end of the door and not the handle end.

3. Fit pivot spacer removed at Item 3 on previous page, to the lower inner glass pivot and locate inner glass lower pivot into position on inside of door.
4. Locate top pivot of inner glass into top of door and secure in position with inner glass retaining clip.



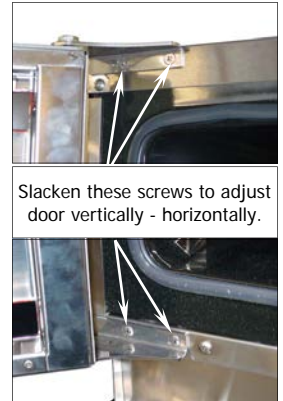
5. Lift inner glass up onto locking catch to lock glass into position.



## Adjust Door for Correct Alignment.

Check alignment and operation of the door. Ensure that the door is correctly aligned horizontally and vertically.

1. To align, slacken off the upper and lower hinge plates and correctly align the door. Re-tighten both hinge plates.
2. Check that the roller catch correctly retains door in the closed position.
3. To adjust, slightly loosen screws securing roller catch and close the door. The roller catch will centralise itself.
4. Open door and tighten roller catch securing screws.



## Adjusting Door Catch

If the door sealing requires adjustment, carry out the following to adjust the door catch:-

1. Check that the door seals correctly when closed, by placing a sheet of paper between the door and the seal.
2. Close the door on the paper and attempt to withdraw the paper by firmly tugging on the paper. The paper should just pull out with some resistance but without tearing.
3. To adjust the door catch, loosen the locking nut on the door catch:-
  - a. If the paper withdraws easily, **screw the door catch 'In' by ½ a turn** and repeat the test above until adjusted correctly.
  - b. If the paper cannot be withdrawn and the door springs open, **screw the door catch 'Out' by ½ a turn** and repeat the test above until adjusted correctly.
4. Tighten the locking nut on the door catch.

